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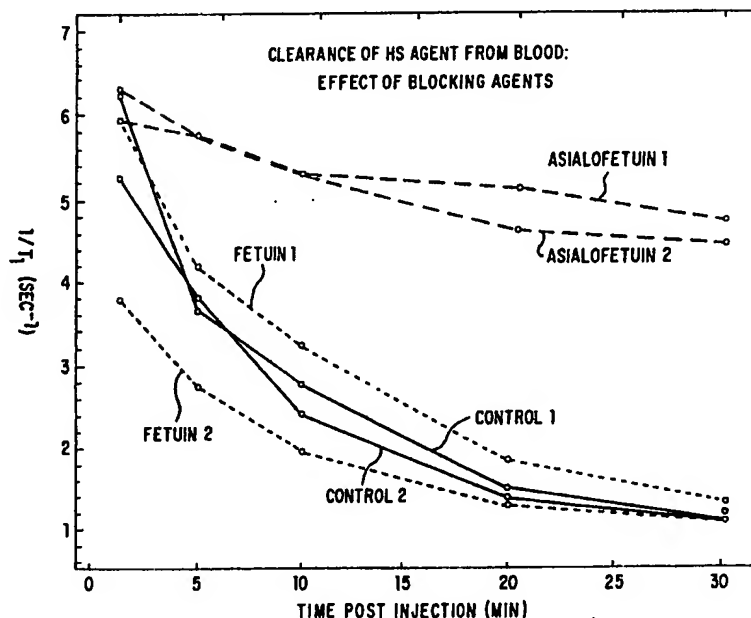
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(21) International Application Number: PCT/US91/09368 (22) International Filing Date: 13 December 1991 (13.12.91) (30) Priority data: 630,017 19 December 1990 (19.12.90) US (71) Applicant: ADVANCED MAGNETICS INC. [US/US]; 61 Mooney Street, Cambridge, MA 02138 (US). (72) Inventors: JOSEPHSON, Lee ; 14 Churchill Avenue, Ar- lington, MA 02174 (US). GROMAN, Ernest, V. ; 80 Co- lumbia Street, Brookline, MA 02135 (US). JUNG, Chu ; 21 Coolidge Road, Arlington, MA 02174 (US). LEWIS, Jerome, M. ; 273 Upland Avenue, Newton, MA 02161 (US).		(74) Agents: SUNSTEIN, Bruce, D. et al.; Bromberg & Sun- stein, 10 West Street, Boston, MA 02111 (US). (81) Designated States: AT (European patent), BE (European patent), CA, CH (European patent), DE (European pa- tent), DK (European patent), ES (European patent), FR (European patent), GB (European patent), GR (Euro- pean patent), IT (European patent), JP, LU (European patent), MC (European patent), NL (European patent), NO, SE (European patent).. Published <i>Without international search report and to be republished</i> <i>upon receipt of that report.</i>

(54) Title: **TARGETING OF THERAPEUTIC AGENTS USING POLYSACCHARIDES**



(57) Abstract

The invention relates to a method for the targeting of a therapeutic agent to a specific population of cells, wherein a complex is formed between the therapeutic agent and a polysaccharide capable of interacting with a cell receptor, and wherein the resulting complex is internalized into the cell by receptor mediated endocytosis (RME). In one embodiment of the invention, a complex of a therapeutic agent containing iron and the polysaccharide arabinogalactan may be formed and used to deliver iron specifically to hepatocytes by RME.

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